PATENT Attorney Docket No. 030541

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group Art Unit: 1764

Examiner: Matthew J. Merkling

: GAS SENSOR WITH CONTROLLER, In re application of : AND SYSTEM AND METHOD FOR

Broy et al. : EMPLOYING SAME

Serial No.: 10/706,625

377 00,020

Filed: November 12, 2003

RESPONSE TO NON-FINAL OFFICE ACTION

Pittsburgh, PA 15222-2312 September 26, 2007

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

This is a Response to the Office Action for the above-referenced application mailed June 27, 2007, having a shortened three-month period to respond that ends September 27, 2007. In response, the Applicants submit the following remarks.

A complete listing of the claims begins on page 2 of this Response.

The Remarks section begins on page 9 of this Response.